

Title:

Observations of Novalike Cataclysmic Variables with the Far Ultraviolet Spectroscopic Explorer

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Abstract:

Observations at short wavelengths probe the innermost region of cataclysmic variables (CVs), at the zone of interaction between the accretion flow or disk and the boundary layer and/or white dwarf. We present new spectra of three CVs (DW UMa, LS Peg, MV Lyr) obtained with the Far Ultraviolet Spectroscopic Explorer satellite. These three systems are members of the novalike class of CV, which is characterized by high accretion rates and prominent disks. The mean far-UV spectra of these three novalike CVs are remarkably different. In addition, our time-resolved FUSE spectra of DW UMa may support the recent suggestion that a weak white dwarf magnetic field is present in some or all novalikes (e.g., the SW Sextantis stars). (Our FUSE observations of another CV, the magnetic system YY Dra, will be presented at the AAS meeting by A. Linnell, et al.)